

PCT

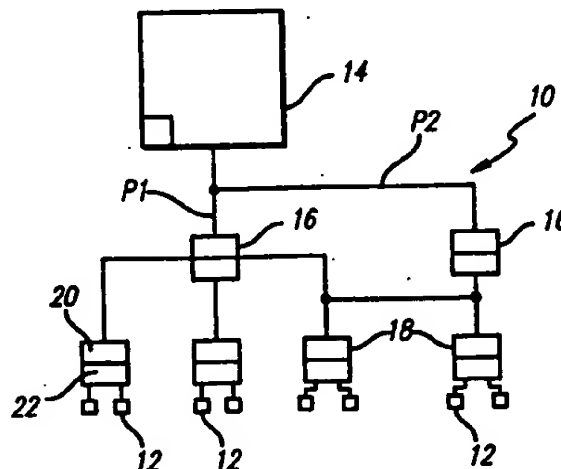
WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>G06F 15/16, 17/00, 17/30</b>	A1	(11) International Publication Number: <b>WO 95/21415</b> (43) International Publication Date: 10 August 1995 (10.08.95)
(21) International Application Number: PCT/US95/01566 (22) International Filing Date: 7 February 1995 (07.02.95) (30) Priority Data: 08/192,654 7 February 1994 (07.02.94) US 08/246,246 19 May 1994 (19.05.94) US (71) Applicant: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 22nd floor, 300 Lakeside Drive, Oakland, CA 94612-3550 (US). (72) Inventors: PAPADIMITRIOU, Christos; Department of Computer Sciences & Engineering, AP & M, Room 4161, University of California at San Diego, La Jolla, CA 92093-0114 (US). RANGAN, P., Venkat; 13011 Callcott Way, San Diego, CA 92130 (US). (74) Agent: BERLINER, Robert; Robbins, Berliner & Carson, 5th floor, 201 N. Figueroa Street, Los Angeles, CA 90012 (US).		(81) Designated States: CA, JP, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  Published <i>With international search report. Before the expiration of the time limits for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: SYSTEM FOR MULTIMEDIA INFORMATION DELIVERY



(57) Abstract

A multimedia information delivery network system (10) is disclosed for delivering multimedia programs to a plurality of users (12) at user-selected times. The network includes a wide area transmitter (14) for transmitting the multimedia programs. Additionally, the network includes a plurality of network servers (16) for receiving the programs and for selectively caching the programs for retransmission to downstream network servers (18) and/or directly to one or more users (12) at the user-selected transmission times. A scheduler (36) receives the user-selected transmission times and, in response thereto, establishes a network server path by which the multimedia program is efficiently delivered to each user (12) at the respective user-selected time.